

THE ADMIRALTY LIST  
OF THE  
LIGHTS  
IN  
SOUTH AMERICA,  
AND ON THE  
WESTERN COAST OF  
NORTH AMERICA.

CORRECTED TO JANUARY 1867.

BY  
EDWARD DUNSTERVILLE, COMMANDER R.N.

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HYDROGRAPHIC OFFICE, ADMIRALTY.

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LONDON:  
PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,  
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.  
FOR HER MAJESTY'S STATIONERY OFFICE.  
AND  
SOLD BY J. D. POTTER, 31, POULTRY, AND 11, KING STREET, TOWER HILL.  
1867.

*Price Sixpence.*

ncp  
527  
G786

F. Fixe  
FL. Flu

F. & FL

REV. R

INT. INT

ALT. A

## Abbreviations and Explanations.

### LIGHTS.

- F.** Fixed or Steady.  
**Fl.** Flashing. Showing five or more flashes and eclipses alternately in a minute, as North Ronaldsha, Buchanness, Race Islands, &c.  
**F. & Fl.** Fixed light with a white or red flash in addition (preceded and followed by a short eclipse) at intervals of two, three, or four minutes, as Alpreck Point, Ile Vierge, &c.  
**Rev.** Revolving. Light gradually increasing to full effect and gradually decreasing to eclipse, at equal intervals of one, two, or three minutes, but occasionally as often as three times in a minute; as the Casquets, Cordouan, &c.  
**Int.** Intermittent. Suddenly appearing in view, remaining visible for a certain time, and then as suddenly eclipsed for a shorter time, as at Burnham in the Bristol Channel, Mull of Galloway, Barra Head, Tarbet-ness, &c.  
**Alt.** Alternating. Red and white light alternately at equal intervals, without any intervening eclipse, as Pontalliac in the Gironde, &c.

### Abbreviations.

<b>B.</b>	Brazilian.	<b>Fr.</b>	French.
<b>B.A.</b>	Buenos Ayrean.	<b>P.</b>	Peru.
<b>B.O.</b>	Banda Oriental.	<b>R.</b>	Russian.
<b>C.</b>	Chile.	<b>U.S.</b>	United States.
<b>Du.</b>	Dutch.	<b>V.</b>	Venezuela.
<b>E.</b>	English.		

### ILLUMINATING APPARATUS.

- C.** Catoptric, or by metallic reflectors.  
**D.** Dioptric, or by refracting lenses.  
**Ord.** Order or Class of apparatus, numbered from the first to the sixth Order.

**N.** North.—**E.** East.—**S.** South.—**W.** West.

The Bearings are Magnetic, and are given from the Ship, not from the Light.

Measurements are given in English feet, yards, and Nautic miles.

The distance the Lights are visible is calculated from a height of fifteen feet above the horizon at high water.

The Coloured Lights are specially noted by **CAPITALS** in the Remark Column.

\* \* It is requested that any errors or omissions in this work may be pointed out, by letter, to the Secretary of the Admiralty.

## SOUTH AMERICA.

No.	Name of Light.	Place.	Latitude.	Longitude. W.	Number of Lights, and Relative Positions.	Fixed, Flashing, Six & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather.
COAST OF GUAYANA.								
1	Trinidad. (E.)	Port España, on Jetty.	North. 10 38 40	61 31 0	1 - - -	F.	- - -	10
2	Orinoco River, Light Vessel (V.) In 18 ft. water.	N. of Barima Point.	8 37 0	60 42 0	1 - - -	F.	- - -	8
3	DEMERARA (E.) Light Vessel. In 3½ fathoms.	On E. side of Entrance.	6 49 20	58 11 30	1 - - -	Rev.	Every minute	16
		Ship GUAYANA, N.N.E. ¼ E. about 10 miles from en- trance of River.	6 59 25	58 5 10	1 - - -	F.	- - -	12
	BERBUCE. (E.) Light Vessel.	Moored close to E. Point of Entrance.	6 19 18	57 22 30	1 - - -	F.	- - -	10
6	Surlinam. (Du.) Light Vessel in 4 fathoms.	Off Brams Point, N.N.W ¼ W. 3 leagues.	6 4 0	55 9 30	1 - - -	F.	- - -	7
7	CAYENNE (Fr.)	SALUT Islets. On W. end of Royale I., on summit of Hospital.	5 17 0	52 32 51	1 - - -	F.	- - -	18
8		Enfant Perdu. On a Rock, 6 miles N. of Cayenne.	5 2 40	52 15 54	1 - - -	F.	- - -	9
9		Angle of Infantry Barracks.	4 53 10	52 18 37	1 - - -	F.	- - -	8
10		Cépérou Fort.	4 56 29	52 14 37	1 - - -	F.	- - -	10
11		Jetty, End of.	- - -	- - -	1 - - -	F.	- - -	-

## BRAZIL.

12	PARA. (B.)	ATALAIA POINT.	South. 0 34 0	47 17 9	1 - - -	Rev.	Every two minutes.	17
13	ITACOLOMI (B.)	On Point.	2 10 0	44 24 0	1 - - -	Rev.	Every one and a half minutes for forty-eight seconds.	15
14	Alcantara. (B.)	On Point.	2 25 0	44 22 0	1 - - -	F.	- - -	-
15	San Luiz, Maram- bau. (B.)	San Marcos Fort.	2 29 0	44 18 0	1 - - -	F.	- - -	10
16	SANT'ANNA (B.)	E. Part of Island.	2 16 30	43 38 25	1 - - -	Rev.	Every thirty- two seconds.	14
17	Ceara. (B.)	Mucuripe Point.	3 41 0	38 29 0	1 - - -	F.	- - -	10
18	Gonzalo River, Light Vessel (B.)	Off Entrance.	- - -	- - -	1 - - -	F.	- - -	-

## SOUTH AMERICA.

5

		No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
COAST OF GUAYANA.									
		1	Harbour Light.	Hexagonal Tower.	50	43	1841		Seen between the bearings of N.E. by N. and S.E. round by the W. Variation in 1867, 23° E.
	10	2	All night.	- - -	-	-	1846		Sunk in 1859, not likely to be replaced.
	8	3	- - -	Octagonal Tower; Red and White alternately.	103	100	1829; alt <sup>d</sup> to a Rev. Lt. 1863.	D. 4th Ord.	A Semaphore on summit of Lighthouse. Variation in 1867, 2° E.
minute	16	4	- - -	Red; with one mast and a Broad Pen- dant by day.	-	-	1844; imp <sup>d</sup> 1863		Pilots for Demerara and Essequibo Rivers are on board.
	12	5	- - -	A Ball on the Foremast. Roofed over with a Jigger Mast aft. Red Ball at the Masthead.	-	-	1850		The Light bearing S.S.W. in 4 fathoms is the fair way into the Harbour. A Sloop Pilot Boat cruizes outside the Bar con- stantly, carrying a White Flag, with PILOT inscribed thereon.
	10	6	- - -	- - -	30	-	1859		SURINAM on the Vessel's sides. Vari- ation in 1867, 1° 30' E.
	7	7	- - -	- - -	200	-	1864	C.	A rock of 12 feet, lies 2078 yards N. by W. ½ W. from Lighthouse.
	18	8	- - -	Iron Piles, Quadrangular.	61	-	1864	O.	
	9	9	- - -	- - -	69	-	1860; imp <sup>d</sup> 1863	C.	GREEN Light. These two lights in one lead over the <i>Aimable Rock</i> , which is avoided by passing W. of this line.
	8	10	- - -	Wooden frame.	130	40	1862	O.	
	10	11	- - -	- - -	39	-	1862	C.	RED Light. Variation in 1867, 0° 22' W.

## BRAZIL.

		12	- - -	- - -	-	-	1852		Variation in 1867 2° W.
		13	- - -	Square.	147	75	-		WHITE and RED alternately.
very two minutes.	17	14	Harbour Light.	- - -	-	-	1860		A guide to the Anchorage before Alcantara.
one and fifteen minutes thirty-eight seconds.		15	- - -	- - -	-	-	1829	D. 1st Ord.	Variation in 1867 4° 20' W.
	10	16	- - -	Square, White.	70	80	rebuilt 1861		
	14	17	- - -	- - -	36	-	1847		
	10	18	- - -	- - -	-	-	-		

## SOUTH AMERICA.

No.	Name of Light.	Place.	Latitude. S.	Longitude. W.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather.
BRAZIL.								
19	Rio Grande do Norte. (B.)	Santos Reis Magos, Fortress of.	5 45 0	35 13 15	1 - - -	F.	- - -	12
20	PERNAMBUCO. (B.)	On Reef, 50 yards from Pacoa Fort.	8 3 42	34 51 42	1 - - -	Rev.	Every minute.	15
21	MACEIO. (B.)	A mile from Anchorage, W. part of Mountain.	9 39 30	35 39 14	1 - - -	F. & Fl.	A flash every two minutes.	23
22	Cotindiba Bar.	Watch Tower.	11 1 0	36 59 30	1 - - -	F.	- - -	6 to 9
23	BAHIA, OR SAN SALVADOR. (B.)	FORT SAN ANTONIO.	13 0 55	38 31 44	1 - - -	Rev.	Every eighty seconds.	18
24		Fort do Mar.	12 58 16	38 28 8	1 - - -	F.	- - -	-
25	MORRO DE SAN PAOLO. (B.)	ON MORRO.	18 22 35	38 51 48	1 - - -	Rev.	Every minute.	20
26	ABROLHOS ISLES. (B.)	SANTA BARBARA Island, highest Point.	17 57 42	38 41 30	1 - - -	Rev.	Every minute	17
27	CAPE FRIO ISLAND. (B.)	FOCINHO DO CABO Point.	23 0 42	41 57 4	1 - - -	Rev.	Every minute and a half.	25
28	RAZA. (B.)	On Island.	23 5 45	43 8 17	1 - - -	Rev.	Every Two & quarter minutes.	10 to 14
29	Rio de Janeiro	(B.) Fort Santa Cruz, E. entrance.	22 56 36	43 7 17	1 - - -	F.	- - -	6
30		(B.) Calhabouco Point.	- - -	- - -	1 - - -	F.	- - -	-
31	SANTOS. (B.)	Moela Island.	24 2 0	46 13 0	1 - - -	F.	- - -	24
32	Paranagua Bay, I. do. Mel.	On hillock N.E. part of islet.	25 31 20	48 16 0	1 - - -	F.	- - -	-
33	SANTA CATHERINA Island.	PONTA DOS NAU-FRAGADOS, South Point.	27 49 30	48 32 30	1 - - -	Rev.	Every minute.	18
34	RIO GRANDE DO SUL. (B.)	N. Point of entrance $1\frac{1}{2}$ mile from extremity of Point.	32 7 15	52 4 25	1 - - -	Rev.	Every two minutes.	14
35	PATOS LAKE.	Surengonea. On Island.	31 44 0	52 9 40	1 - - -	- - -	- - -	-
36		Estreito. On Point.	31 48 30	51 50 0	1 - - -	- - -	- - -	-
37		Bojuru. (B.) On Point.	31 35 0	51 38 0	1 - - -	F.	- - -	-
38		Marca. (B.) On Cape.	- - -	- - -	1 - - -	F.	- - -	-
39		Christovão Payera. (B.) On Point.	31 26 0	51 24 0	1 - - -	F.	- - -	-
40		Barba Negra. (B.) On Isle.	30 37 0	51 15 0	1 - - -	F.	- - -	-

Interval of observation.	Miles seen in clear weather.	No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Lighthouse.	Height in feet, Centre of Lantern, above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
BRAZIL.									
12		19	- - -	Round Tower.	43	-	impr <sup>d</sup> 1860	C. 3rd Ord.	
15		20	- - -	- - -	-	-	1824		Twice WHITE and once a RED Light in succession, showing a light every minute. Variation in 1867 10 $\frac{1}{2}$ ° W.
22		21	- - -	- - -	208	-	1856		Fixed Light 70°, eclipse 10°, flash 12° eclipse 22°.
6 to 9		22	- - -	- - -	115	-	1862		WHITE to S.E.; RED eastward; GREEN southward. Vessel should anchor with Red Light in sight in 4 fathoms; with White or Green Light in sight do not go into 5 fathoms.
18		23	- - -	- - -	140	-	1823		Twice WHITE and once a RED Light succeed each other, showing a light every 80 seconds.
		24	Harbour Light.	- - -	-	-	1864		RED Light.
20		25	- - -	White.	276	80	1854		Eclipse not total within 8 miles.
17		26	- - -	Iron. Circular.	189	51	1861	D. 1st Ord.	Variation in 1867 5° 35' W.
25		27	- - -	Circular.	522	53	1861	C. 1st Ord.	Visible on the bearings of S.W. to E. or 225°. Variation in 1867 24° W. Duration of the total eclipse is 45 seconds.
10 to 14		28	- - -	Red Square.	315	50	1828		WHITE and RED alternately.
6		29	All night.	- - -	-	-	1830		Longitude of Fort Villegagnon, 43° 6' 30''
		30	- - -	- - -	-	-	1856		RED Light.
24		31	- - -	White.	334	40	1831; impr <sup>d</sup> 1863	D. 1st Ord.	
		32	- - -	- - -	-	-	-		
18		33	- - -	Circular.	149	-	1861	C. 2nd Ord.	
14		34	- - -	- - -	96	-	1833; rebuilt 1851.	C. 2nd Ord.	Bright 70°, eclipsed 50°. Variation in 1867 5 $\frac{1}{4}$ ° E.
		35	Harbour Light.	- - -	-	-	1860		
		36	Ditto.	- - -	-	-	1860		
		37	Ditto.	- - -	-	-	1860		
		38	- - -	- - -	-	-	1860		
		39	Ditto.	- - -	-	-	1860		
		40	Ditto.	- - -	-	-	1860		

No.	Name of Light.	Place.	Latitude. S.	Longitude W.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather	No.	Harb.
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## BUENOS AYRES.

41	MALDONADO BAY. (B.O.)	EAST PO' ST.	34 53 0	54 55 0	1 - - -	F.	- - -	20	41	-
42	FLORES. (B.O.)	On Island.	34 57 0	55 55 50	1 - - -	Rev.	Every three minutes.	12	42	-
43	English Bank. Light Vessel in 7 fathoms. (B.O.)	On Tail. N. part of Bank.	35 6 0	55 54 30	1 - - -	F.	- - -	8 to 10	43	-
44	Pañola Shoal Light Vessel S.W. of	A cable's length N.N.W. & W. of shoal.	- - -	- - -	1 - - -	F.	- - -	5 or 6	44	-
45	MONTE VIDEO. (B.O.)	W. side of Harbour, on Mount.	34 53 16	56 14 36	1 - - -	F. & Fl.	A flash every three minutes for 15 seconds.	25	45	-
46		Cathedral S. Tower.	34 54 20	56 12 30	1 - - -	F.	- - -	- -	46	-
47	Main Bank. Light Vessel in 3½ fms. (B.A.)	N. E. & N. 8 miles from Indio Point.	35 11 30	57 1 15	1 - - -	F.	- - -	8 to 10	47	-
48	Chico Bank. Light Vessel in 4 fathoms. (B.O.)	N. E. & N. from Point Atalaya, 11½ miles.	34 46 45	57 29 20	1 - - -	F.	- - -	8 to 10	48	-
49	Colonia. (B.O.)	S.W. angle of Plaza.	34 28 10	57 49 42	1 - - -	Rev.	Every three minutes.	10	49	A
50	Buenos Ayres. In 2½ fathoms. (B.A.)	Guard Ship outer Roads.	34 34 30	58 16 0	1 - - -	F.	- - -	7	50	-

## PATAGONIA.

51	FALKLAND ISLANDS. (E.)	Pembroke Cape.	51 40 40	57 41 48	1 - - -	F.	- - -	14	51	-
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## CHILE.

52	Chiloe Island, N. part, San Carlos de Ancud. (C.)	Huapilacuy, or Punta Corona.	41 46 45	73 55 45	1 - - -	F. & Fl.	A flash every two minutes.	12	52	-
53	Valdivia.	Niebla Fort Point.	39 53 41	73 24 36	1 - - -	F. & Fl.	- - -	8	53	-
54	Concepcion Bay. Quiriquina I. (C.)	Talcahuano.	36 36 0	73 6 0	1 - - -	- - -	- - -	- -	54	-
55	VALPARAISO (C.)	ANGELES, or PLAYA ANCHA POINT.	33 1 10	71 41 30	1 - - -	F. & Fl.	A flash every minute.	20	55	-
56	Huasca. (C.)	- - -	28 28 0	71 19 0	1 - - -	- - -	- - -	- -	56	-
57	Caldern. (C.)	- - -	27 3 0	70 56 0	1 - - -	- - -	- - -	- -	57	-





## 10 NORTH AMERICA, SOUTH AND NORTH PACIFIC OCEAN.

No.	Name of Light.	Place.	Latitude.	Longitude. W.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather
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## PERU.

58	CALLAO.	LORENZO I. N. Point.	South. 12 4 0	80 19 30	1 - - -	F.	- - -	12
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## ECUADOR.

59	GUAYAQUIL (P.)	Near centre Santa Clara Island.	3 10 0	80 23 0	1 - - -	F.	- - -	-
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## COSTA RICA.

60	Nicoya Gulf.	Punta Arenas.	North. 9 59 34	84 49 21	1 - - -	F.	- - -	9
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## MEXICO.

61	Acapulco.	Summit Roqueta Is- land.	16 50 15	99 52 0	1 - - -	F.	- - -	4 or 5
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## CALIFORNIA.

62	SAN DIEGO. (U.S.)	Near Point LOMA. W. side entrance.	32 40 15	117 13 30	1 - - -	F.	- - -	25
63	San Pedro. (U.S.)	Fermin Point.	33 46 0	118 18 0	- - -	- - -	- - -	-
64	HUENME. (U.S.)	On Point.	- - -	- - -	- - -	- - -	- - -	-
65	Santa Barbara (U.S.)	On bluff, 2 miles S.W. of landing place.	34 23 35	119 42 5	1 - - -	F.	- - -	12
66	CONCEPTION. (U.S.)	On Point.	34 26 47	120 25 33	1 - - -	Rev.	Every half minute.	23
67	MONTEREY. (U.S.)	Point Pinos, S. side.	36 33 0	121 54 0	1 - - -	F.	- - -	13
68	Santa Cruz Har- bour. (U.S.)	- - -	- - -	- - -	- - -	- - -	- - -	-
69	FARRALLON. (U.S.)	Highest peak of the largest and S.E. Islet.	37 41 49	122 50 5	1 - - -	Rev.	Every minute.	26

OCEAN.

## NORTH AMERICA, SOUTH AND NORTH PACIFIC OCEAN. 11

No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus	REMARKS.
PERU.							
58	- - -	Wood, Octagonal Form.	950	60	1857		Not visible from N.W. $\frac{1}{2}$ N. to W. by N. $\frac{1}{2}$ N. just open on latter bearing will lead through Boqueron Channel in 44 fathoms.
ECUADOR.							
59	- - -	- - -	- - -	- - -	1847		Variation in 1867 9° 57' E.
COSTA RICA.							
60	- - -	White.	65	- -	1856	D. 3rd Ord.	
MEXICO.							
61	- - -	- - -	About 300 feet.	- -	1853		For Mail Steamers when expected. Vari- ation 1867 8° 20' E.
CALIFORNIA.							
62	- - -	Stone, Dark.	Mean sea level 457	35	1855	D. 3rd Ord.	On Keeper's dwelling. Give Loma Point a berth of half a mile. Variation in 1867 13° 50' E.
63	- - -	- - -	- - -	- -	- -	- -	<i>Proposed.</i>
64	- - -	- - -	- - -	- -	- -	- -	<i>Proposed.</i>
65	- - -	Gray.	180	34	1856	D. 4th Ord.	RED light on Keeper's dwelling.
66	- - -	White.	250	35	1855	D. 1st Ord.	On Keeper's dwelling. Fog Bell struck by Machinery.
67	- - -	Gray.	91	35	1854	D. 3rd Ord.	On Keeper's dwelling. Variation in 1867 15° 10' E.
68	- - -	- - -	- - -	- -	- -	D. 4th Ord.	<i>Proposed.</i>
69	- - -	Brick.	300	20	1853	D. 1st Ord.	

## 12 NORTH AMERICA AND NORTH PACIFIC OCEAN.

No.	Name of Light.	Place.	Latitude. N.	Longitude W.	Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather
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## CALIFORNIA.

70	SAN FRAN- CISCO. (U.S.)	BONITA or N. Point.	37 40 4	122 30 50	1 - - -	F.	- - -	24	
71		LOBOS, on Point.	- - -	- - -	- - -	F. & Fl.	- - -	-	
72		Fort or S. Point.	37 43 31	122 27 38	1 - - -	F.	- - -	17	
73		Alcatraz Island.	37 40 27	122 24 19	1 - - -	F.	- - -	14	
74	REYES. (U.S.)	On Point.	37 50 37	123 0 16	1 - - -	F. & Fl.	A flash every 15 seconds.	-	
75	MENDOCINO. (U.S.)	On Cape.	40 29 0	124 32 0	1 - - -	- - -	- - -	-	
76	HUMBOLDT HARBOUR. (U.S.)	N. side of Entrance.	40 46 4	124 12 10	1 - - -	F.	- - -	12	
77	Crescent City. (U.S.)	Seaward extremity of Island point, forming southern and western side of Harbour.	41 44 34	124 11 22	1 - - -	F. & Fl.	A flash every minute and a half.	14	
77*	Cape Gregory or Arago Point.	Small Island, Western extremity.	43 20 38	124 23 20	1 - - -	Fl.	Every two minutes a flash of three seconds.	15	
78	G. HANCOCK. (U.S.)	On pitch of Cape, Columbia River.	46 16 35	124 2 0	1 - - -	F.	- - -	22	
79	SHOALWATER BAY.	North Cape.	46 44 11	124 2 24	1 - - -	F. & Fl.	Every minute and half.	14	
80	JUAN DE FUCA STRAIT.	CAPE FLATTERY. (U.S.)	Tatouic Island, Toke Point, highest Point. $\frac{1}{4}$ a mile N.W. of Cape.	43 23 20	124 43 48	1 - - -	F.	- - -	19
81		New Dungeness. (U.S.)	N. end of Sand Spit. $\frac{1}{2}$ of a mile.	43 10 59	123 6 7	1 - - -	F.	- - -	14
82		BLUNT OR SMITH ISLAND. (U.S.)	Highest part.	43 19 11	122 50 0	1 - - -	Rev.	Every half minute.	13
83		RED BLUFF. Puget Sound.	ADMIRALTY HEAD, WHIDBEY ISLAND.	43 9 21	122 40 8	1 - - -	F.	- - -	17

No. Harb is

No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
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CALIFORNIA.							
24	70	White. Brick Tower.	Mean sea level 300	45	1855	D. 2nd Ord.	Fog Bell struck by Machinery. Variation in 1867 154° E.
	71					D. 2nd Ord.	Building. Fog Bell.
17	72	Iron, White.	137	121	1855	D. 5th Ord.	Fog Bell struck by machinery, and a Fog Horn sounded every five minutes.
14	73	White.	166	36	1854	D. 3rd Ord.	Fog Bell struck by machinery.
	74					D. 2nd Ord.	Building.
	75					D. 1st Ord.	Building.
12	76	White. Lantern Red.	53	45	1856	D. 4th Ord.	On Keeper's dwelling. Variation in 1867 134° E.
14	77	Stone.	80	35	1856	D. 4th Ord.	On Keeper's dwelling. The flash is pre- ceded and followed by a short eclipse.
15	77*	Iron, Octagon. White. Dome of Lan- tern Red.	75		1866	[D. 4th Ord.	Variation in 1867 134° E. Keeper's dwel- ling White on S. extremity of island, about 350 yards from light.
22	78	White.	230	40	1858	D. 1st Ord.	Fog Bell struck by machinery. Variation in 1867 204° E.
14	79	Stone.	80	35	1856	D. 4th Ord.	On Keeper's dwelling.
19	80	White. Lantern Red.	162	64	1867	D. 1st Ord.	On Keeper's dwelling.
14	81	Upper half, Black. Lower half, White. Lantern Red.	100	80	1837	D. 3rd Ord.	On Keeper's dwelling, a Fog Bell at outer end of Spit, rung every ten seconds, and Horn sounded every five minutes.
15	82	White. Lantern Red.	90	35	1868	D. 4th Ord.	On Keeper's dwelling.
17	83	White. Lantern Red.	110	41	1860	D. 4th Ord.	On Keeper's dwelling, illuminated 270° of horizon.

No.	Name of Light	Place.	Latitude		Longitude		Number of Lights, and Relative Positions.	Fixed, Flashing, Fix & Flash Int., Alt., Revolving.	Interval of Revolution or Flash.	Miles seen in clear Weather.
			W.	E.	W.	E.				

## BRITISH COLUMBIA.

84	VANCOUVER I. GULF OF GEORGIA.	RACE IS- LANDS.	On Rocks.	48 17 36	123 32 15	1	-	-	-	FL	White flash every ten seconds.	18
85		Esquimalt. (E.)	Fisgard Island Sum- mit, S. Point.	48 25 38	123 27 17	1	-	-	-	F.	-	10
86		Fraser River Light Vessel in 10 fa- thoms.	South Sand Heads	40 3 30	123 17 10	1	-	-	-	F.	-	11

## SOCIETY ISLANDS.

87	TAHITI.	Venus Point.	17 30 0	149 29 0	1	-	-	-	F.	-	-	6
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## HAWAII GROUP, OR SANDWICH ISLANDS.

88	KARAKAKOA B., Hawaii or Owhyhee I.	-	19 23 0	155 55 0	1	-	-	-	-	-	-	-
89	C. Kawaihoa, Oonohow I.	-	21 45 0	160 12 0	1	-	-	-	-	-	-	-

## EASTERN PART OF ASIA.

90	AVATCHKA GULF.	DALNI. (R.)	On E. side of En- trance	52 52 51	158 47 2	1	-	-	-	F.	-	24
91		BABOUSHKIN POINT. (R.)	On second Point of W. side of Entrance.	52 54 45	158 42 37	1	-	-	-	F.	-	19
92		RAKOF. (R.)	On Signal Station, about half a mile S. of Entrance to Ra- kovya Harbour.	52 57 32	158 43 37	1	-	-	-	F.	-	22

No.	Time Harbour Light is shown.	Colour, or any Peculiarity of Light-house.	Height in feet centre of Lantern above High Water.	Height in feet of Building from Base to Vane.	Year lighted.	Character and Order of Illuminating Apparatus.	REMARKS.
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## BRITISH COLUMBIA.

84	-	-	-	Tower, Stone, with 5 Alternate Horizontal Bands, Black and White.	118	-	-	1861	D. 2nd Ord.	Fog bell. S.E. by E., 3 or 4 cables length is a reef, having 5 feet thereon. Variation in 1867 21 $\frac{1}{2}$ ° E.
85	-	-	-	White, Iron, Lantern, Red.	70	57		1860	D. 4th Ord.	Variation in 1867 22° 0' E. It shows WHITE when bearing from N. $\frac{1}{2}$ W. to N. W. by W. $\frac{1}{2}$ W., and RED towards harbour, or from N.W. by W. $\frac{1}{2}$ W. round west to S.S.E. $\frac{1}{2}$ E. Eclipsed to the westward. GREEN between N. by E. $\frac{1}{2}$ E., and N. $\frac{1}{2}$ W.
86	-	-	-	Red, with two Masts. On the Mainmast is a Ball.	About 54	-	-	1860	C. 6th Ord.	Name on her sides WHITE. Bell in foggy weather sounded. Variation in 1867 22° 50' E.

## SOCIETY ISLANDS.

87	-	-	-	-	-	-	-	1856		Variation in 1867 7° 45' E.
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## HAWAII GROUP, OR SANDWICH ISLANDS.

88	-	-	-	-	-	-	-	-	-	Building. On Point where Captain Cook, R.N., was killed.
89	-	-	-	-	-	-	-	-	-	Building. Variation in 1867 9° 16' E.

## EASTERN PART OF ASIA.

90	-	-	-	-	-	449	21	-	-	Visible on the bearings of E. by N. round Southerly to N.W. $\frac{1}{2}$ W. A telegraph communication with Petropaulski. Va- riation in 1867 4° E. These Lights are included in this list to accompany the Charts issued to Her Majesty's Ships on the Pacific Station.
91	-	-	-	-	-	294	9	-	-	
92	-	-	-	-	-	378	9	-	-	

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TO THE

## LIGHTS

IN

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JANUARY 1867.

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**LONDON:**

Printed by **GEORGE E. EYRE** and **WILLIAM SPOTTISWOODE**,  
Printers to the Queen's most Excellent Majesty.  
For Her Majesty's Stationery Office.

[10481.—250.—12/66.]